

3-8-1932

The Tech News Volume 23, Issue 16, March 8 1932

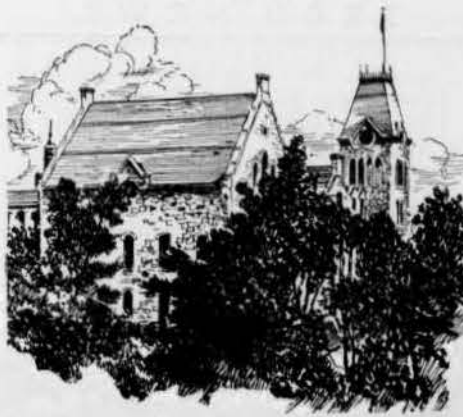
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The Students of Worcester Polytechnic Institute, "The Tech News Volume 23, Issue 16, March 8 1932" (1932). *Tech News All Issues*. Book 210.
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DR. MAXIMO M. KALAW IS SPEAKER AT ASSEMBLY ON TUESDAY

"American Accomplishments in the Philippines" to be the Subject of Noted Philippine Educator

LECTURE SHOULD PROVE OF INTEREST AS TOPIC IS OF VITAL IMPORTANCE

The sixth Fuller lecture will be held at eleven o'clock on Tuesday. Dr. Maximo M. Kalaw, dean of the college of liberal arts of the University of the Philippines, will be the speaker. The subject of the talk is to be "American Accomplishments in the Philippines." Dr. Kalaw has been very active in the relations between the United States and the Philippines in regard to their independence.

He was the founder and organizer of the first "Independence Congress" and has also been a member of the committee of the Philippines in this country seeking independence.

Dr. Kalaw received the degree of LL.B. from the University of the Philippines and then studied in the United States, and received his Bachelor's degree from George Washington University in 1916. He studied at the University of Wisconsin and then received his Doctor's degree from the University of Michigan in 1924. In 1918, he was editor of the "Manila Times," and in 1919 was secretary of the Philippine Mission to the United States.

Dr. Kalaw no doubt will deliver a very interesting lecture and it is on a subject which should prove of vital interest to everyone.

WESTBORO HEARS TECH GLEE CLUB

Dance Music by Boyntonians Pleases Gathering

Thursday evening, March third, the W. P. I. Glee Club, sponsored by the Westboro Kiwanis Club, gave a concert in Westboro for the benefit of the Westboro unemployed.

The program opened with the singing of "The Alma Mater" by the entire club, followed by two selections, "John Peel," by Mark Andrews, and "The Hunter's Farewell," by Felix Mendelssohn. George Stevens with his syncopating saw entertained next with a group of popular songs. Again the Glee Club appeared with three favorites, "Fight," by Kurt Schindler, "Dance of the Gnomes," by Edward MacDowell, "Keep in the Middle of the Road," arranged by Marshall Bartholmew, and two sea chanteys. The fourth number of the program was a group of selections by the W. P. I. quartet, which is composed of Charles Frary, first tenor; Leighton Johnson, second tenor; Donald Greenwood, baritone; and Arthur Backgren, bass. They were followed by three more numbers by the Glee club, "Sylvia," by Oley Speaks, "The Norsemen," by Edward Grieg, and "Jerusalem," by Sir Hubert H. Parry. Everyone now received a treat in the form of a group of "Authentic

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TECH TRACKMEN TRAMPLE STATE

Take Six First Places out of Eight to Win 49-23

The Worcester Tech track team journeyed to the wilds of Amherst last Saturday in order to meet the Massachusetts State tracksters in a dual meet. A close final score was expected as both of the teams had previously swamped B. U. The meet, however, proved to be a walkaway for the Engineers, the final score being 49-23, with the Crimson and Gray snaring six first places out of a possible eight.

State took on a short-lived lead in the first event, when Pruyn beat George Lyman to the tape with a lead that was a matter of inches. Tech made a grand slam when the 35-yard dash was run off. The scoring order was Egan, Johnson, and Sullivan. Thereafter, W. P. I. remained ahead.

Nelson Buell easily won the mile but Stan Brewer was barely nosed out of second, when Caird (M. S. C.) made a final desperate try that carried him to the finish a foot ahead of Brewer.

Sullivan copped the 300-yard run and Jensen was able to take second place when Warren (M. S. C.) stumbled and fell on the last turn.

Tech made another clean-up with the running of the 1000-yard. "Joe" Doyle took first with Granger and Nyquist placing two, three.

The 600-yard run proved to be a very interesting race with Pruyn of State holding the lead until the last lap but a final spurt by Harry Jensen gave Tech another first place. Warren (M. S. C.) nosed out Bill Denning for third place, only two or three inches separated the runners at the finish line.

The honors were split in the two field events with State winning the shot-put and Tech the high jump.

Foskett, State's football captain, kicked the goal that beat the Engineers in the football thriller last fall, but this time he threw the shot-put far enough to take first place in this event but it did not stop Tech from winning the meet.

Gordon Whitcomb won the high jump with a final leap of 5 feet 6 1/2 inches. Ryan and Pruyn of State took the other two places in this, the final event. Summary:

35-yard high hurdles: Stephan, Massachusetts State, 3rd. Time, 4.9 seconds.

35-yard dash, won by Egan, W. P. I.; Johnson, W. P. I., 2nd; Sullivan, W. P. I., 3rd. Time, 4 seconds.

Mile run, won by Buell, W. P. I.; Caird, Massachusetts State, 2nd; Brewer, W. P. I., 3rd. Time, 4 minutes, 55.4 seconds.

300-yard run, won by Sullivan, W. P. I.; Jensen, W. P. I., 2nd; N. Hale, Massachusetts State, 3rd. Time, 36.3 seconds.

(Continued on Page 3, Col. 5)

CALENDAR

TUES., MARCH 8:

9:50 A. M.—Chapel Service, Rev. S. J. Callender.

11:00 A. M.—Assembly in Gymnasium. Dean Maximo M. Kalaw on "American Accomplishments in the Philippines."

4:00 P. M.—Interfraternity Bowling, P. G. D. vs. Friars.

WED., MARCH 9:

9:50 A. M.—Chapel Service, Rev. S. J. Callender.

4:00 P. M.—Interfraternity Bowling, A. T. O. vs. P. S. K.

7:00 P. M.—Tech Frat Club Meeting in Dorm.

THURS., MARCH 10:

9:50 A. M.—Chapel Service, Rev. W. G. Huber.

4:00 P. M.—Interfraternity Bowling, T. U. O. vs. S. O. P.

4:30 P. M.—Glee Club Rehearsal.

FRI., MARCH 11:

9:50 A. M.—Chapel Service, Rev. W. G. Huber.

4:00 P. M.—Interfraternity Bowling, L. X. A. vs. Friars.

8:00 P. M.—Glee Club Concert at Lunenburg.

SAT., MARCH 12:

9:00 P. M.—Dorm Dance.

MON., MARCH 14:

9:50 A. M.—Chapel Service, Prof. H. L. Fairfield.

4:00 P. M.—TECH NEWS Assignments, B-19.

4:30 P. M.—Glee Club Rehearsal.

JUNIORS ELECT CLASS OFFICERS

Jerry Vail is Again Chosen to Lead '33

Anticipating one of their most important terms here at Tech, the class of '33 has elected its officers to lead the class government. With Junior week and all that accompanies it—Junior Prom, Tech Show, house parties and what not—coming during their administration, these officers will have plenty to take up their time.

Jerry Vail was again chosen to lead the class, the margin of victory being quite large as was the case in most of the offices. Emil Ostlund was elected Secretary, and Waldo Bass, Treasurer; John Keefe, Historian; and Summer Sweetser, Auditor, complete the list with the exception of a Vice-President. According to the class constitution, this officer is elected from the two men getting the second and third number of votes for president. In this case the race is between Wright Manvel and George Lyman.

Frosh: "What are all the holes in this board?"

Pop: "Knotholes."

Frosh: "They are!"

FRESHMEN!
TECH NEWS assignments every
Monday at 4:00 P.M. in
Boynton 19.

R. I. STATE QUINTET NOSES OUT TECH TEAM IN WILD, FAST GAME

Horseman, R. I. Hawk-eye Center, is High Scorer of Game—Asp, Gartrell and Skwarek Star for Tech

SENIORS ELECT CLASS OFFICERS

Smith is Re-elected President for Second Term

The first of the returns of this term's class elections were handed in last week by the Seniors. The elections were very nearly repetitions of last term's results, the votes being distributed fairly evenly. Don Smith was reelected President by a good margin and will be supported by Paul Nelson, who was chosen Vice-President. The other officers follow: Secretary, Olaf Nyquist; Treasurer, Linn Lockwood; Historian, Dana Carleton; Member-at-large, Ted Barks; and Auditor, Irwin Peterson.

These men will be at the head of the class administration until sometime in May when, according to precedent the permanent class officers are always elected.

Up to the present time the two lower classes have not had their elections but it is expected they will be forthcoming sometime this week.

TECH NEWS HOLDS ANNUAL ELECTION

Sweetser Heads School Paper for Coming Year

The annual elections of the TECH NEWS Association were held Tuesday, March 1, in the NEWS office. Editor-in-Chief D. M. Smith called the meeting to order at 4:15 P. M., and following the disposal of regular business the elections were gotten under way. The offices were disposed of in order of their precedence. For Editor-in-Chief and Managing Editor "Jerry" Vail and Summer Sweetser were nominated by suggestion of the senior members of the staff. From this, Summer Sweetser was elected Editor-in-Chief, and Jerry Vail was automatically elected Managing Editor. These two men appointed the News Editor and the Associate Editor, Joe Fogg and Alden Fuller, respectively, and the appointments were approved by the staff. The office of secretary was voted on and candidates were automatically the two remaining Junior Editors, P. G. Guernsey and S. Gorka—Paul Guernsey was elected for the coming season.

The office of Business Manager was the next to be brought up and following the recommendation of Robert McMaster, Gilbert Gustafson won the election over Eugene Teir. For business assistants, elected from the present Sophomores, Paul Cheatham, Dick Barnard, and Edward Barrett were recommended, and from the election Cheatham and Barnard came out victorious.

The Junior Editors, six in number, are chosen from the present Sophomores. Four are recommended by the staff and two are elected. The four

(Continued on Page 2, Col. 4)

CAPTAIN ASP AND PURRINGTON PLAY LAST GAME FOR TECH

Speed and excitement were on the menu in Alumni Gym Saturday night when a fast aggregation from R. I. State nosed out an equally fast but slightly less fortunate Tech team. The game was fast and furious all the way. At times science was quite conspicuous by its absence, but never excitement. An average of a field goal a minute and yet a difference of only four points in the final scores, necessarily means a spectacular game. The spectators did not have a moment of rest from the opening whistle to the closing gun.

Bill Asp, playing his last court game for the Engineers, collected the first score of the game after dribbling the whole length of the floor. The lead was short-lived and three foul shots, seasoned with two field goals for R. I. against two field goals for Tech, put the score at 7-6 with R. I. on the long end before the game had fairly begun. Bill Asp collected one from the line of least resistance to tie the score. In his second try he missed but Gartrell was there to bat it in and changed the missed one into a collected two. R. I., however, would not stand for that and soon tied the score at 11-11. Then, as if in an attempt to overburden the spectators with excitement, they executed some fast pass work, to push the score up to 19-12 before Tech called time-out in an attempt to steady down.

Steadying wasn't the order of the evening and after this brief period of grace, the boys became more spectacular and hectic than ever, chasing each other up and down the floor, taking swan-like dives—and dives that weren't swan-like—onto the floor and into the front row spectators' laps; but when the smoke of battle for the first half had blown away, Tech had the advantage. "Mike" Stewarek collected for Tech and Gartrell followed with another two points. Capt. Purrington continued this lesson in how baskets should be made and Tech crept up until again only two points behind R. I. Horseman collected two more points before Johnny Smith demonstrated how to dribble the length of the floor and shoot a basket. Much sharp-shooting was now in evidence and the teams did their best to give the spectators no respite from their excitement when they left the floor at the half with the score tied at 27-27.

The teams were greeted with a roar of applause when they again appeared on deck for the second half. Purrington, Asp and Leach, the three men who were wearing the Crimson and Gray court uniforms for the last time, were each given a short cheer, but though they were short, they were given with much gusto.

R. I. started to function more smoothly in this half and pushed the score up to 41-32. Tech was playing just as good a game as in the first half but the ball seemed to have decided that it would not go through the hoop

(Continued on Page 2, Col. 5)

TECH NEWS

Published every Tuesday of the College Year by
The Tech News Association of the Worcester Polytechnic Institute

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Business—3-9411
Business—3-9094

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TERMS:

Subscriptions per year, \$2.00; single copies, \$0.10. Make all checks payable to Business Manager. Entered as second class matter, September 21, 1910, at the postoffice in Worcester, Mass., under the Act of March 3, 1897.

All subscriptions expire at the close of the college year.

THE HEFFERNAN PRESS
Spencer, Mass.

March 8, 1932

TECH NEWS 1932-1933

Another year in the history of the TECH NEWS has been completed, and the responsibility for its continuance once again falls into the hands of a new staff. In starting out on a new year this staff realizes, perhaps contrary to popular opinion, that the NEWS is wanting in many respects, that there is great opportunity for improvement. This is no new discovery on our part. Other staffs have realized this, and their efforts to bring about improvements have not been without success, as an inspection of the files for four or five years back will show without question. Naturally, we hope to be more successful than have others, but there are no rash promises of miraculous improvement on our part. However, we expect to continue to advance, and with this in mind, our one object will be to make the TECH NEWS more interesting to its readers.

One common criticism of the NEWS is that much of the material printed in it has already appeared some days earlier in the daily papers. This cannot be denied. We do not intend to compete with newspapers but to supplement them. Many of the things which happen on the Hill are of great interest to any one connected with Tech but of practically no interest to outsiders. Accounts of such matters rarely appear in the city papers and to these we shall try to give a prominent place in the TECH NEWS. Some events are fully described in the daily papers but are plainly written for those not familiar with the Institute. Here again we can be of service by presenting the same events from a Tech student's point of view. Other matters which are mentioned but briefly in the papers can be made more interesting in the NEWS if they are enlarged upon. However, this is but one of the ways in which we plan to make our paper more interesting.

Another means at our disposal is the editorial column. Here we are faced with no competition from outside. In the past editorials have been written principally to bring certain conditions to the attention of the student body or faculty. These will be continued and, in addition, others will appear merely in the nature of comments on various events taking place at the Institute. These columns will also be used to suggest improvements and to present new ideas to the student body because we feel that the NEWS can be of considerable value in this manner. In spite of the fact that we invite editorial contributions, past experience shows that nearly all the material in this column has been written by the staff, which consists of a comparatively small number. It is quite possible that at times the opinion of so small a number would not be representative of the opinion of the whole student body. Therefore the editorials will be designed to stimulate rather than to influence student opinion. By observing this precaution the staff will feel freer to present a greater variety of subjects in this column without opening itself to the accusation that it is trying to force its opinions on the college.

These are just two of the ways in which the staff will try to make the TECH NEWS more interesting during the coming year. Other means will be adopted as they suggest themselves. However, we alone cannot expect to find all the possible means of improvement, and therefore any sincere criticism will be more than welcome at any time.

SATURDAY NIGHT DANCES

This week-end a new idea will be tried out on the Hill. Through the efforts of President Earle, funds have been secured to cover the expenses of Saturday night dances. For many years other colleges have been holding week-end dances for their students and friends, and now Tech has joined the ranks.

Next Saturday night the first dance will take place in Sanford Riley Hall with the Boyntonians providing the music. For success the affair must have student backing. This requires no financial obligations but only attendance. It is not sufficient, however, for the student to attend, to be successful they must have partners to dance with and hardly anyone cares to bring a girl to a dance for his pals to dance with while he looks on. Let all bring a girl.

For many years the students on the Hill have discussed the advisability of holding dances in the Gym or the Dorm on Saturday nights when there are no other Tech affairs going on. The lack of week-end entertainment after football

games in the Fall and the baseball games and track meets in the Spring has always been an object of criticism. Many times a visiting team has stayed in Worcester until Sunday and the only means of entertainment is a movie or cheap dance hall.

Although many Tech organizations and even outside groups have been financially successful in their attempts at running dances in the Dormitory, the expenses are prohibitive to attempts by individuals to follow suit. Now, however, President Earle with the interest of the student body uppermost in his mind has made the arrangements for dances in Sanford Riley Hall when there are no other activities connected with Tech planned. This innovation will provide an evening's enjoyment for the students and Alumni entailing no cost.

Although nothing definite has been said concerning the rules for the dances let each student resolve to do three things:

Attend the dances, bring a partner, and enjoy himself.

FROSH TANKSTERS LOSE TO WHITINS

Wiley, McNulty and Falvey Star in Exciting Meet

The Freshman swimming team lost its first meet of the season last Wednesday when the Whitinsville Junior team piled up 34 points to their 28. The score was close all the way, the Freshmen leading 28 to 26 at the start of the final event, the relay. The Whitins swimmers won the relay, however, and took the meet.

The Freshmen started off poorly. The best Falvey was able to do in the 40-yard dash was win third place. In the diving Worcester had only one man entered, Makela, he gaining another third place.

After this discouraging beginning the Freshmen began to show their speed, taking every first place until the relay. Wiley plowed through the water to take an easy first in the 200-yard free style; with Bergstrom in third place. McNulty did the 100-yard backstroke in fast time to beat out B. McSheehy of Whitinsville. Merriam came in a very close third.

In the 100-yard breaststroke Falvey won easily from S. McSheehy of Whitinsville, having a lead of several feet at the end. Sleeper was third in this event. In the 100-yard dash Wiley and McNulty of Tech, and Kennedy of Whitinsville waged a merry three-cornered battle for first place. McNulty kept the lead most of the way, but on the last lap Plum Wiley uncovered a beautiful burst of speed and went from third place to first, winning by a few inches from McNulty, while McNulty had about the same margin over Kennedy.

In the final event, the relay, Falvey made the water boil in a beautiful attempt to close up a gap of some five yards, but the handicap was too great.

The summary:

40-yard dash—Won by Strong, Whitinsville; 2d, B. McSheehy, Whitinsville; 3d, Falvey, Tech. Time, 20 1-5 seconds.
Dive—Won by Bouley, Whitinsville; 2d, Raynor, Whitinsville; 3d, Makela, Tech.

200-yard free style—Won by Wiley, Tech; 2d, Gough, Whitinsville; 3d, Bergstrom, Tech. Time, 2 min. 20 2-5 sec.

100-yard backstroke—Won by McNulty, Tech; 2d, B. McSheehy, Whitinsville; 3d, Merriam, Tech. Time, 1 min. 9 3-5 sec.

100-yard breaststroke—Won by Falvey, Tech; 2d, S. McSheehy, Whitinsville; 3d, Sleeper, Tech. Time, 1 min. 15 2-5 sec.

100-yard dash—Won by Wiley, Tech; 2d, McNulty, Tech; 3d, Kennedy, Whitinsville. Time, 1 min. 2 sec.

Relay—Won by Whitinsville (B. McSheehy, J. McSheehy, Strong, Kennedy); Tech, 2d, (Bergstrom, McNulty, Wiley, Falvey). Time, 1 min. 21 sec.

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S. A. E. HAS SMALL LEAD IN BOWLING

S. A. E. is Pressed Closely by T. X. and L. X. A.

The third week of interfraternity bowling was brought to a close with most of the teams having bowled three times, and having furnished a pretty good example of their respective abilities. At present, S. A. E. is in the lead, with six points won against two lost, having participated in only two matches. However, they are pressed closely by T. X., L. X. A., and T. U. O., while all the other teams are within easy striking distance of the leaders.

To start the past week of bowling, L. X. A. administered a beating to P. S. K. to the score of 3-1. On Tuesday, T. U. O. beat A. T. O. in a hotly contested match, by the same score, while the next night, T. X. took the Friars in the same way. S. O. P. turned in an upset when they defeated the strong L. X. A. team, 3-1, on Thursday night. The final match of the week was between T. U. O. and P. S. K., with the former aggregation coming out victorious.

The standing of the teams is as follows:

| | Pts. Won | Pts. Lost | % |
|----------|----------|-----------|------|
| S. A. E. | 6 | 2 | .750 |
| T. X. | 8 | 4 | .667 |
| L. X. A. | 10 | 6 | .625 |
| T. U. O. | 7 | 5 | .583 |
| P. S. K. | 8 | 8 | .500 |
| A. T. O. | 6 | 6 | .500 |
| S. O. P. | 7 | 9 | .438 |
| Friars | 3 | 5 | .375 |
| P. G. D. | 1 | 11 | .083 |

TECH NEWS ELECTIONS

(Continued from Page 1, Col. 4)

Sophomore reporters who were recommended and accepted in a body were: H. H. Franklin, W. Berrell, J. V. Rowley, and A. M. Bellamy, Jr. Of the remaining nine, F. A. Bartlett and W. R. Burns were elected to office.

The officers who have successfully completed their respective offices are: Editor-in-Chief, Donald M. Smith; Managing Editor, Elliott D. Jones; News Editor, George T. Barks; Associate Editor, David Rice; Secretary, Lenges H. Bull; Business Manager, Robert W. McMaster; Junior Editors, J. H. Fogg, P. G. Guernsey, A. H. Fuller, S. B. Sweetser, S. Gorka, and J. H. Vail; Business Assistants, Eugene J. Teir, and Gilbert V. Gustafson.

Following these elections, the ranks of the reporters are greatly diminished and there are opportunities for Freshmen who are interested.

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R. I. STATE GAME

(Continued from Page 1, Col. 5)

unless absolutely forced to, as Gartrell did force it.

The scoring in this session was just as rapid as in the first and with less than five minutes to play, R. I. decided it was time to call time out with the score 49-43 in their favor.

The excitement became keener, if that is possible to imagine, when Tech began to cut down their lead, but time again proved what an important factor it is and the game came to a close with R. I. leading 53-49.

That closing gun brought an end to more than just the game, for it ended the spectacular court careers of Capt. Purrington, Bill Asp, and Jimmy Leach. Purrington played the same stellar game which he has played all season and which has made him an invaluable part of the Tech squad.

Nothing that can be said about Bill Asp can fully describe the work of this cool-headed and consistent player. His inspiring calmness has held the team together many times. This blonde husky, the guiding star of the team, will no longer grace the back court nor thrill the basketball fans.

Jimmy Leach, a most capable reserve, is another basketball player who we regret to think has worn his uniform for the last time.

Gartrell was high scorer for Tech collecting fifteen points. He was closely followed by Johnny Smith who had thirteen to his credit.

These two performers and "Mike" Skwarek, who showed in this game that he really is first-string material, are players whom we will be ready to welcome back next season.

Considering the speed of play, a total of ten fouls for Tech and thirteen for R. I. is not an imposing number. But one man left the floor during the game via the four foul route, Kilroy of R. I. The star for R. I. and really of the game was their husky center, Horseman, who ran up the spectacular score of twenty points.

The Tech Seconds also saw action against New England School of Accountancy. The Engineers started out well and led at the half but the business men came back after the half and by virtue of their eagle-eyed long shots finished on the long end of a 21-16 score. This game concluded a very successful season for the Seconds and we may expect to see a couple of those men on the varsity next year.

The summary:

R. I. STATE

| | fg. | fp. | tp. |
|--------------|-----|-----|-----|
| Kilroy, rf | 3 | 0 | 6 |
| G. Tyler, rf | 2 | 0 | 4 |
| Cox, lf | 4 | 4 | 12 |
| Horseman, c | 9 | 2 | 20 |
| J. Tyler, rg | 2 | 3 | 7 |
| Donovan, lg | 2 | 0 | 4 |
| Total | 22 | 9 | 53 |

TECH

| | fg. | fp. | tp. |
|----------------|-----|-----|-----|
| Gartrell, rf | 7 | 1 | 15 |
| Purrington, lf | 1 | 3 | 5 |
| Smith, c | 4 | 5 | 13 |
| Hodgkinson, c | 1 | 0 | 2 |
| Asp, rg | 1 | 2 | 4 |
| Skwarek, lg | 4 | 2 | 10 |
| Total | 18 | 13 | 49 |

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TECH 'Y' COMBINES ON OPEN HOUSE

**Alan Tory, Young Engineer, is
the Speaker**

On Sunday March 13, the Open House at Central Church is being jointly sponsored by the Tech Y. M. C. A., as has been done in past years. The speaker is Alan Tory, a young Englishman, who is in this country on a Mills Fellowship and is studying at Union Theological Seminary. He has spoken in several famous churches in England and also in this country, and is an excellent speaker. His topic will be "The Balanced Life."

All Tech men are urged to attend, as his subject is something which vitally concerns future engineers, who are liable to forget everything except engineering in building their lives.

A. T. O. CAPTURES SQUASH TITLE

**Cary Wilson is Undefeated Frat.
Champ.**

Alpha Tau Omega again won the squash interfraternity tournament title by defeating S. A. E. in the last scheduled match of the events. The battle was between C. Wilson and U. Corsini, both of the Tech tennis team, in which Wilson came out the victor for his fraternity, A. T. O.

| | | | |
|---------------|---|---|-------|
| A. T. O. | 8 | 0 | 1,000 |
| S. A. E. | 7 | 1 | 875 |
| L. X. A. | 6 | 2 | 750 |
| T. C. | 5 | 3 | 625 |
| S. O. P. | 4 | 4 | 500 |
| P. S. K. | 4 | 4 | 500 |
| P. G. D. | 1 | 6 | 157 |
| T. U. O. | 1 | 7 | 125 |
| Friars | 0 | 7 | .000 |

RADIO MEMBERS HOLD ELECTIONS

**A. L. Anderson is President for
Second Time**

At the first meeting of the semester, held last Tuesday, March 1, reports of the Radio Club members were delivered and officers elected. Alton R. Anderson, Carl Hammarstrom, and J. Boylston Campbell were unanimously re-elected to be president, secretary, and treasurer for the coming semester. Theodore Hammett was elected vice-president to succeed S. Q. W. Chin.

Men in charge of various departments in the club reported what they had done last semester. J. Boylston Campbell discussed finance; Carl Hammarstrom, publicity; John A. Birch, printing; Harry Raymond, library; Lester Libby, receivers; Joseph Johnson, trans-

mitters; Fred Webber, television; Carl Hammarstrom, beginner's code; and Alton R. Anderson, program. Theodore Hammett, in charge of frequency measurement, announced that he has constructed a frequency wave meter for the use of the club. J. B. Campbell, in charge of photography, said that individual photos of the more important members of the club would soon be ready. Samuel Hakam, leader of the class in advanced code, said that his charges will soon be ready to go to Boston to take the examination for professional commercial operator.

It is probably news to most Tech students that we are soon to have a radio station here. It was decided to defer the election of chief operator until after the station is in operation. A constitutional amendment was adopted limiting the choice of chief operator to holders of operating licenses, and to limit electors of chief operator to license holders and officers of the club.

The purpose of this amendment is to insure a fully capable man's being chosen for this important position.

MASS. STATE TRACK

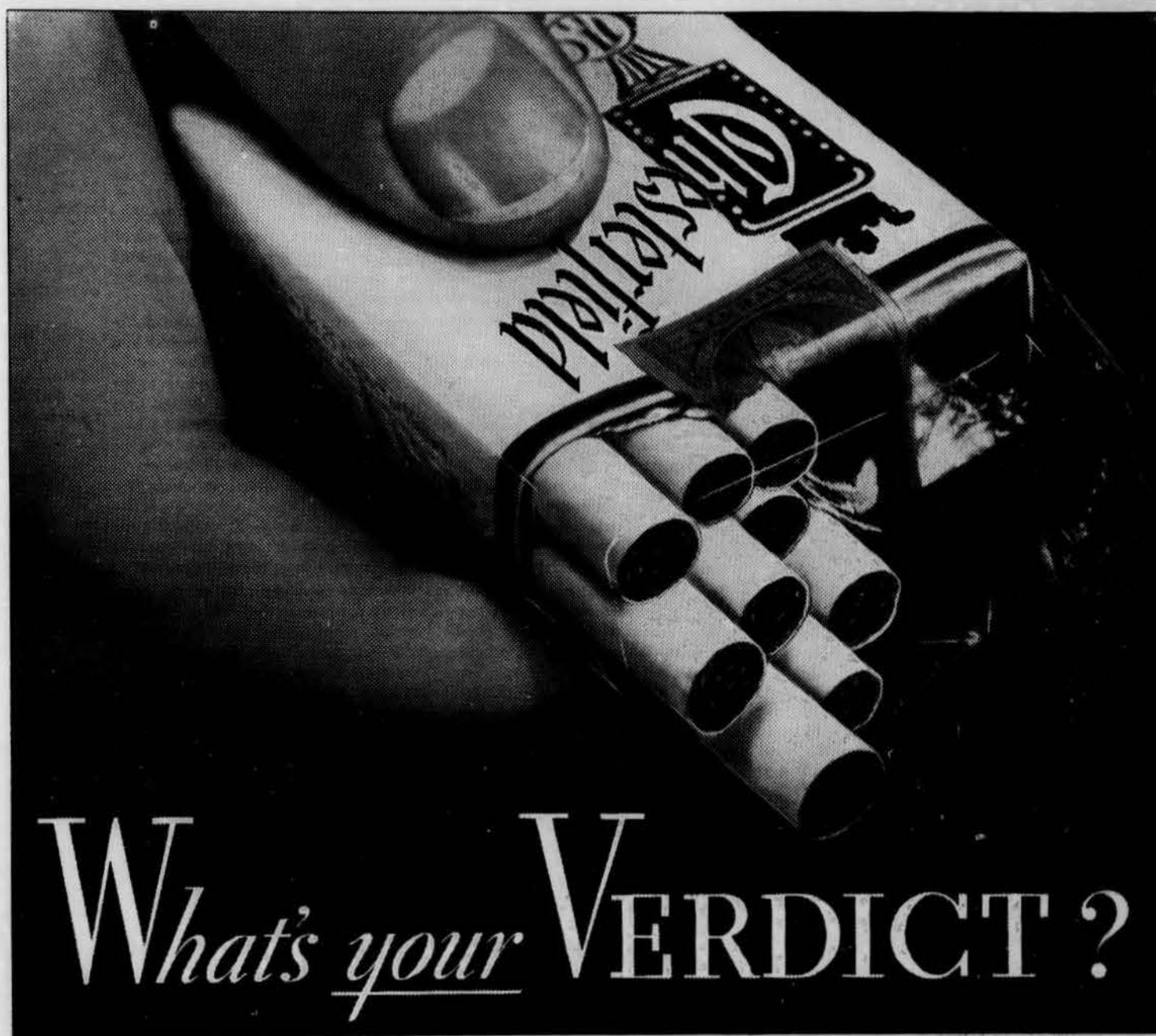
(Continued from Page 1, Col. 2)

1000-yard run, won by Doyle, W. P. I.; Granger and Nyquist of W. P. I., tied for 2nd. Time, 2 minutes, 49.6 seconds.

600-yard run, won by Jensen, W. P. I.; Pruyne, Massachusetts State, 2nd; Warren, Massachusetts State, 3rd. Time, 1 minute, 22.7 seconds.

High jump, won by Whitcomb, W. P. I.; Ryan, Massachusetts State, 2nd; Pruyne, Massachusetts State, 3rd; height, 5 feet 6 1/2 inches. Shot put, won by Foskett, Massachusetts State; Kalista, W. P. I., 2nd; Trautner, W. P. I., 3rd. Distance, 40 feet.

Kissing a girl is like opening a bottle of olives—if you can only get one, the rest come easy.



What's your VERDICT?

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Light up . . . Convince Yourself that Chesterfields Satisfy

FLIP OPEN a pack of Chesterfields! Help yourself to a cigarette...Light up . . . and let's get the facts.

Mister . . . you're dead right. They're milder!

It's no secret in tobacco circles that Chesterfield buys the finest tobaccos that grow...Turkish and Domestic...sun-ripened, mellow, pure!

Chesterfields are blended first... then cross-blended . . . to make them milder . . . and milder still! There's no



mistaking that rare balance of flavor built up by Cross-Blending. You enjoy it in every fragrant puff!

Even the cigarette paper is different. Cleaner, whiter, tasteless . . . the purest that money can buy.

Listen, smokers . . . this is straight. You can't put taste in a cigarette . . . unless quality goes in, too.

● Pass your verdict on Chesterfield's Radio Program, too! Nat Shilkret's 35-piece Orchestra with Alex Gray, soloist, are on the Columbia Network every night except Sunday, at 10:30 Eastern Standard Time.

THEY'RE Milder . . . THEY'RE Pure . . . THEY TASTE BETTER . . . *They Satisfy*

NATATORS DROP FINAL CONTEST TO SUPERIOR GYMNAST ARRAY

Backstroke and 220 Yard Freestyle Pool Records Are Clipped as Franklin and Fowler Feature

MANY CLOSE EVENTS MAKE THE MEET INTERESTING—SPRINGFIELD TAKES BOTH RELAYS TO EARN VICTORY

The Tech swimming team lost to the Springfield College team last Saturday, and but for the excellent swimming of Franklin the final score, 48 to 29, might have been much worse.

After Springfield had started off by taking the medley relay without much difficulty, Franklin broke the pool record for the 220-yard free-style swim by completing the distance in 2:32, 3-5 of a second less than the old record. In the next event, the 40-yard dash, McElroy lost to Fisher of Springfield by a scant margin in the battle for first place. In the diving Fogg gained a second place.

Apparently not satisfied with breaking a record in the 220, Franklin ran entirely away from the field in the 440-yard free style. He finished fully half a length ahead of Brook and Jackson of Springfield, who were fighting it out for second place. A second pool record was set in the next race, the backstroke. Fowler, of Springfield, did the distance in 1:45. Following him came his teammate, Fisher, and in third place was Frary of Tech. In the breaststroke Linton of Springfield was the winner with Werne and Haskell of Worcester finishing in second and third positions, respectively.

The 100-yard free style was a very close battle, but McElroy came in first with Borgatti second.

McElroy and Franklin kept a slight lead in their laps of the final relay, but Borgatti and Ratkiewicz were unable to maintain it, the event going to the Springfield swimmers.

The summary:

Medley relay—Won by Springfield (Lanoue, George, Deane). Time, 3:34 4-5. Tech (Frary, Haskell, Ratkiewicz).

220-yard free style—Won by Franklin (W); 2nd, Wescott (S); 3rd, Silvia (S). Time, 2:32 (New pool record).

40-yard dash—Won by Fisher (S); McElroy (W); 3rd, Shields (S). Time, 20 3-5 sec.

Diving—Won by Cate (S); 2nd, Fogg (W); 3rd, Stone (S).

440-yard free style—Won by Franklin (W); 2nd, Brook (S); 3rd, Jackson (S). Time, 5:41 3-5.

Backstroke—Won by Fowler (S); 2nd, Fisher (S); 3rd, Frary (W). Time, 1:45. (New pool record).

Breaststroke—Won by Linton (S); 2nd, Werne (W); 3rd, Haskell (W). Time, 2:53.

100-yard free style—Won by McElroy (W); 2nd, Borgatti (W); 3rd, Newhall (S). Time, 1:02 1-5.

Relay—Won by Springfield (Silvia, Jackson, Deane, Fisher). Time, 1:21. Tech (McElroy, Franklin, Borgatti, Ratkiewicz).

GLEE CLUB

(Continued from Page 1, Col. 4)
Cowboy Songs," by Everett Hayden. The finale was that ever popular waltz song, "The Beautiful Blue Danube," by Johann Strauss, sung by the Glee Club. After the final number of the program the hall was quickly cleared and dancing was enjoyed until midnight under the direction of the syncoating W. P. I. "Boyntonians."

Lorraine Restaurant
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Next Door to Plymouth Theatre

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TABLE AND COUNTER SERVICE
Eat with the rest of the gang
EXCELLENT FOOD AT REASONABLE RATES

TRINITY SPURTS TO DEFEAT TECH

Gartrell and Asp Feature in Tech Attack

Following Saturday's victory with Clark, Tech turned to the last two games of the season, the first with Trinity at Hartford. However, Tuesday's game proved a little upsetting for as the game drew to a close, Trinity put on a spurt which brought them into the lead and left them there at the closing gun.

The game was close all the way through with neither team able to get a lead of more than four points. The star of the game was Capt. Golino of Trinity, who showed considerable flash in his offensive as well as defensive play. He was high scorer with ten points. The other high scorers were Asp and Gartrell.

In the very beginning Golino through his popping at the basket put Trinity in the lead but Tech immediately caught up and held the position until Trinity got another streak and forged ahead again. The game continued with spurts of both teams and the half ended with the score Trinity 16, Tech 15.

The second half continued as before with both teams fighting for the lead. However, with six minutes left to play, Trinity had a six point lead and until the close of the game Tech could not get hold of the ball enough to break the score.

With but a minute left "Rus" Purington broke through and dropped one in, making the score at the close 27 to 23, with Worcester on the short end.

| TRINITY | | | |
|--------------|----|----|----|
| | fg | fp | tp |
| Golino lf | 5 | 0 | 10 |
| Martens rf | 1 | 2 | 4 |
| Liddell rf | 0 | 0 | 0 |
| Daut c | 2 | 2 | 6 |
| Martens c | 1 | 0 | 2 |
| Bialick lb | 0 | 1 | 1 |
| Kelly rb | 2 | 0 | 4 |
| Totals | 11 | 5 | 27 |
| WORCESTER | | | |
| | fg | fp | tp |
| Asp rb | 3 | 2 | 8 |
| Purington lf | 1 | 0 | 2 |
| Leach lb | 0 | 0 | 0 |
| Smith c | 2 | 2 | 6 |
| Gartrell lf | 2 | 1 | 5 |
| Purington lf | 1 | 0 | 2 |
| Totals | 9 | 5 | 23 |

Score at half time, Trinity 16, Worcester Tech 15. Referee, Eddy. Time, 20-minute halves.

PEDDLER PICTURES

Tuesday, March 8—

Golf—4:00.

Tennis—4:10.

Baseball—4:20.

Football—4:30.

Soccer—4:40.

Basketball—5:00.

Track—5:15.

Rifle Club—5:25.

Swimming Team—5:35.

Wednesday, March 9—

Personals.

Thursday, March 10.

Alpha Tau Omega—4:15.

Theta Chi—4:30.

Lambda Chi Alpha—4:45.

Theta Upsilon Omega—5:00.

Phi Gamma Delta—5:15.

Sigma Alpha Epsilon—5:30.

Phi Sigma Kappa—5:45.

Friars—7:00.

Sigma Omega Psi—7:15.

Newman Club—7:30.

Kappa Pi Sigma—7:45.

SLOW MOTION HAS NO SPEED LIMIT

Electrical Engineers are Seeking Commercial Adaptation

While one group of scientists have been perfecting electrical machinery that will run at higher and still higher speed, another group has been going to the other extreme by perfecting a timing motor that will revolve only twice a day.

As a matter of fact, by following the same principles the speed could be slowed down to once a year or even less than that. Theoretically there is no limit to the slowness that could be achieved, according to L. W. Chubb, director of research for the Westinghouse Electric and Manufacturing Company, and T. R. Watts, research engineer, who cooperated in this development.

While the idea is still in the experimental stages and is not commercially available, the fact that it is practical and workable has been demonstrated in a clock of unique design.

One feature of the clock is that it has only four moving parts, each of which is necessary to operate one of the hands. The fastest of these revolves only 60 times a minute. If the four points of wear were to be sealed in oil cups and jewels used for bearings as they are in good watches, the clock should run forever without attention. Of course such performance would require that the electric current never be interrupted.

Clock makers have always obtained the slow speeds for the second, minute and hour hands by means of gears arranged in trains so as to produce one revolution in the proper period of time.

Even some of the electric clocks are driven by motors running 60 revolutions a second and as many as five sets of gears or cogwheels are required to reduce this unnecessary speed to that required for the hands.

Just below the outer rim of the clock face is the wire-wound iron circle known as the stator or stationary portion. This stator is so wound as to produce a magnetic field around which magnetism revolves 3,600 times per minute. It has 118 iron teeth around its inside edge.

Inside this ring near it but not touching it, is the rotor or rotating portion of the motor, around the outer edge of which are 120 iron teeth. The tendency of the magnetism is to jump across from the stator to the rotor and to do this when the teeth are directly opposite each other.

With different numbers of teeth on the two parts, only two teeth are synchronized at any one time and there is a vernier effect around the rest of the circle. This causes the motor to move only the distance of two teeth for each revolution of the magnetism.

In other words, the magnetism is whirling around 3,600 times a minute but the rotor revolves only 60 times a minute. This is the speed required for a split second hand.

Around the inner edge of the rotor ring are 122 iron teeth pointing toward a second rotating iron ring of still smaller diameter with 120 teeth around its outer edge. In this second reduction of speed the first motor becomes the stator for the second, but while the first is running forward 60 revolutions a minute, the second is running backward 59 revolutions a minute relative to the first one, so that its net progress forward is one revolution per minute. This is the speed desired for the second hand.

Attached to the second hand rotor is a permanent horse-shoe magnet which creates a new rotating field in 118 iron teeth driving still another ring with 120 teeth at the rate of one revolution per hour. This runs the minute hand. Attached to the minute hand rotor is a second permanent magnet creating a rotating field in 22 teeth and driving

SCIENCE SOLVES PARKING PROBLEM

H. D. James, West. Engineer, Demonstrates Parking Unit

Science has made automobile parking in congested areas as simple as pushing a button.

This statement is made without qualification by H. D. James, engineer of the Westinghouse Electric and Manufacturing Company, who gives proof of his declaration by demonstrating a new control unit for the Westinghouse vertical parking machine.

In actual service this unique tower takes the cars off the street, out of the way of active traffic, and houses 24 or more of them above a ground space only slightly larger than that occupied by a two-car garage.

When this new control is used in a public garage, James explains, the call buttons may be located in the cashier's office. As the motorist drives in he is directed toward the parking machine and the attendant pushes a button that opens the door.

The patron drives his car on the cradle, steps out of the inclosure, and operates a small hand lever. This gives him a check showing the number of the cradle and the time of parking. Throwing the lever also causes the doors to close and a vacant cradle to come into position at the driveway level behind the doors where it will be ready for the next customer.

Upon returning for his car, the motorist presents his check to the cashier and pays for the storage. The cashier pushes the button corresponding to the number on the check and by the time the customer steps over to the parking machine, his car is there ready to be driven off the cradle. As the car moves away, the doors close automatically. Safety devices make it impossible for the parking machine to operate automatically while the doors are open or while anyone is inside the inclosure.

"Just as elevators gave us the vertical transportation that solved the pedestrian problems in the business districts of our cities by making super skyscrapers possible, so will vertical parking go a long way toward the solution of our worst traffic problem in those areas where further horizontal expansion has become impossible," says James.

Several of the machines have been in successful operation at the East Pittsburgh Works of the Westinghouse Company, more than a year. The first commercial installation in the Loop district of Chicago began operation recently.

CAMERA CLUB CONSTITUTION

I. Name and Purpose.
A. The name of the organization shall be the W. P. I. Camera Club.

B. The purpose of the Club is to afford opportunity for cooperation among those interested in photography, and to provide facilities for photographic work and experimentation.

a 24-tooth rotor one revolution every 12 hours for the hour hand.

The entire operation may be explained by saying that each rotor travels only two teeth for each revolution of its magnetic field. By changing the number of teeth, any desired speed may be obtained.

"Quality Always First"
HARDWARE

Cutlery, Tools, Mill Supplies, Auto Accessories, Radio Supplies, Flashlights, Silverware, Electric Appliances

Duncan & Goodell Co.
38 Mechanic St.

II. Officers

A. The officers of the Club shall be president, vice-president, secretary and treasurer.

B. The duties of the officers shall be as follows:

1). It shall be the president's duty to preside at all meetings, to call meetings, to appoint committees, and to be a member, ex-officio, of all committees.

2). It shall be the vice-president's duty to take the president's place, if at any time the president is unable to perform his duties.

3). It shall be the secretary's duty to carry on all correspondence, send out notices of meetings, to take minutes of all meetings.

4). It shall be the treasurer's duty to collect dues and other receipts, to keep accounts of all money, and to be in charge of all purchasing done in the Club's name. It shall be his duty to see that there is at no time any indebtedness without sufficient resources in the treasury, and that all bills are paid promptly.

III. Members

A. Any registered member of the Institute is eligible for membership in the Club.

B. The President of the Institute, and the Head of the Mechanical Engineering Department shall be honorary members, ex-officio. Honorary membership may be conferred upon others by vote of the Club.

C. The faculty advisor shall have all the privileges of active membership, and shall have the right to vote over any action taken by the Club.

IV. Meetings

A. Meetings shall be held about twice a month. Notices shall be given at least three days in advance by placing notices on the bulletin boards and by sending out individual notices.

BY-LAWS

I. Any member of good standing is eligible for office.

II. Election of officers shall be by the following method: Nominations shall be made from the floor and seconded. Vote shall be by ballot. A majority vote shall be required to elect an officer on the first ballot. If a majority is not obtained, the candidates obtaining the two greatest number of votes shall be voted upon again, in which case a plurality is sufficient for election.

III. The dues of the Club shall be fifty cents (\$50) a semester. Dues shall be payable at the first meeting of the Club or upon application for membership.

IV. Regular meetings shall be open to anyone.

V. Voting for amendments to the Constitution or By-Laws may be made by rising, show of hands, or by ballot. A quorum of two-thirds of the membership is required for this.

VI. Keys to the darkroom shall be obtained from the treasurer. Only members of good standing and honorary members shall be allowed the use of the Club darkroom. Duplicate Keys shall not be made by anyone except the treasurer.

VII. Elections shall be held at the first meeting of each semester. No first year man shall be allowed to vote for officers in the October elections.

VIII. The finance committee shall consist of the treasurer, who shall act as chairman, and two other members of good standing. The committee may at any time make purchases amounting to not over Two Dollars. With the approval of the president and faculty advisor, unlimited expenditures may be made.

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